

## EAST Search History

| Ref # | Hits | Search Query  | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---------------------------------|------------------|---------|------------------|
| S4    | 577  | 324/658.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:06 |
| S5    | 373  | 324/686.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:06 |
| S6    | 903  | S4 S5   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:06 |
| S7    | 1    | S6 and (clamp\$3 near2 force)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:07 |
| S8    | 0    | "324"/\$.ccls. and (clamp\$3 near2 force) with (dc near2 (voltage current))                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:08 |
| S10   | 0    | "324"/\$.ccls. and (clamp\$3 near2 force) with (dc near2 (voltage current source))                                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:08 |
| S9    | 153  | "324"/\$.ccls. and (force) with (dc near2 (voltage current))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:16 |
| S11   | 77   | ("5103367").URPN.   | USPAT                           | OR               | OFF     | 2007/03/07 12:16 |
| S12   | 563  | cancel\$4 with (ac near2 (voltage current source))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:17 |
| S13   | 33   | cancel\$4 with (ac near2 (voltage current source)) and coaxial  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:17 |
| S14   | 6    | cancel\$4 with (ac near2 (voltage current source)) same outer same (inner center)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:20 |
| S15   | 34   | cancel\$4 with (second near5 ac near2 (voltage current source))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:22 |
| S16   | 110  | ((center inner) near2 conductor) same (outer near2 conductor) same cancel\$4                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:24 |
| S18   | 5    | ((center inner) near2 conductor) same (outer near2 conductor) same cancel\$4 same (ac (alternat\$4) adj2 current) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:25 |
| S17   | 36   | ((center inner) near2 conductor) same (outer near2 conductor) same cancel\$4 with (field)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2007/03/07 12:31 |

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|     |      |   |                                 |    |     |                  |
|-----|------|---|---------------------------------|----|-----|------------------|
| S20 | 0    | (second another) with (ac (alternat\$4 adj2 current)) near2 (current voltage source) same cancel\$4 same coaxial                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 12:32 |
| S21 | 0    | (second another) with (ac (alternat\$4 adj2 current)) near2 (current voltage source) same cancel\$4 same center near2 conductor | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 12:33 |
| S19 | 199  | (second another) with (ac (alternat\$4 adj2 current)) near2 (current voltage source) same cancel\$4                             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 12:52 |
| S22 | 385  | (ac (alternat\$4 adj2 current)) near2 (current voltage source) same cancel\$4 near4 voltage                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 12:53 |
| S23 | 46   | S22 and "324"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 12:53 |
| S25 | 10   | S24 and "324"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 12:54 |
| S24 | 156  | "same" with (ac (alternat\$4 adj2 current)) near2 (current voltage source) same cancel\$4                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 13:01 |
| S26 | 11   | (inner near2 conductor) same equal same (outer near2 conductor) same eliminate  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 13:21 |
| S27 | 1370 | (detect\$4) with presence with wafer  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 13:21 |
| S28 | 57   | S27 and "324"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 13:21 |
| S29 | 35   | S28 and (capacit\$6)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 15:34 |
| S30 | 1    | ("6075375").PN.   | USPAT;<br>USOCR                 | OR | OFF | 2007/03/07 15:34 |
| S1  | 2    | ((("5489888") or ("5103367"))).PN.  | USPAT;<br>USOCR                 | OR | OFF | 2007/03/07 17:21 |
| S33 | 18   | S32 and "324"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 17:52 |
| S35 | 108  | S34 and "324"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 17:52 |

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|     |     |  |                                 |    |     |                  |
|-----|-----|--|---------------------------------|----|-----|------------------|
| S34 | 880 | (third with shield\$4 with conductor)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 17:56 |
| S36 | 128 | (third with shield\$4 with conductor with ground)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 17:56 |
| S37 | 39  | (third with shield\$4 with conductor with grounded)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 17:56 |
| S32 | 764 | (electrostatic near2 force) same (DC adj voltage)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 18:14 |
| S38 | 2   | (electrostatic near2 force) with (measur\$5 determin\$5) with (capacit\$6) same (DC adj voltage) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/07 18:14 |
| S39 | 15  | ("5670066").URPN.  | USPAT                           | OR | OFF | 2007/03/08 11:03 |
| S40 | 16  | (mov\$5) near5 force near5 greater near5 minimum   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:05 |
| S42 | 1   | (mov\$5) near5 ((clamp\$3 electrostatic) near2 force) near5 greater near5 predetermined          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:06 |
| S41 | 261 | (mov\$5) near5 force near5 greater near5 predetermined   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:07 |
| S43 | 15  | S41 and (wafer chuck)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:07 |
| S44 | 0   | (mov\$5) near5 force near5 greater near5 predetermined near5 friction                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:08 |
| S45 | 169 | (mov\$5) near5 force near5 greater near5 friction  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:11 |
| S46 | 2   | stop near5 (mov\$5) near5 force near5 greater near5 friction                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:11 |
| S47 | 0   | halt near5 (mov\$5) near5 force near5 greater near5 friction                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:11 |
| S48 | 1   | compar\$5 near5 force near5 greater near5 friction with stop                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:12 |
| S31 | 2   | (clamp\$4 near2 force) same (capacit\$6 near5 (measur\$6 detect\$5)) and "324"/\$.ccls.          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2007/03/08 11:15 |

## EAST Search History

|     |     |  |                                 |    |     |                  |
|-----|-----|--|---------------------------------|----|-----|------------------|
| S50 | 0   | (lithograph\$4) same (capacit\$6 near5 (measur\$6 detect\$5)) same actuator      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:15 |
| S49 | 176 | (lithograph\$4) same (capacit\$6 near5 (measur\$6 detect\$5))                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:16 |
| S51 | 17  | (lithograph\$4) same (capacit\$6 near5 (measur\$6 detect\$5)) and "324"/\$.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2007/03/08 11:16 |
| L2  | 1   | ("6654581").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2007/03/08 13:38 |
| S3  | 3   | ((("20020093635") or ("20020041367") or ("4654581")).PN.                         | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2007/03/08 13:38 |